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What is claimed:

1. A system using sand for lifting and leveling slabs which may have settled said system comprising:

a sand storage tank having a sand outlet;

5 a compressed air source in fluid tight connection with said sand outlet;

a mixing chamber connected to said sand outlet and said compressed air source; and

10 an elongate air and sand delivery line connected to said mixing chamber.

2. A system using sand for lifting and leveling slabs as in claim 1 further comprising an injector gun having a gun bleed off valve for releasing excess pressure and a gun nozzle for the delivery of sand air mixture.

150 3. A system using sand for lifting and leveling slabs as in claim 2 wherein said mixing chamber is a smaller air source hose fitted inside of a larger diameter sand outlet so as to create a venturi effect.

20 4. A system using sand for lifting and leveling slabs as in claim 3 further comprising a compressed air bleed valve between said compressed air source and sand outlet.

5. A system using sand for lifting and leveling slabs as in claim 4 further comprising a sand shutoff valve between said sand storage tank and said mixing chamber.

6. A system using sand for lifting and leveling slabs as in
claim 5 wherein said compressed air source is a high volume air
compressor.

7. A system for lifting and leveling a slab defining at least
one drilled hole said system comprising:

a sand storage tank having a sand outlet;

a supply of well dried mason's sand within said sand storage
tank;

a compressed air source in fluid tight connection with said
sand outlet;

a mixing chamber connected to said sand outlet and said
compressed air source;

an elongate air and sand delivery line connected to said
mixing chamber; and

an injector gun having a gun bleed off valve for releasing
excess pressure and a gun nozzle for the delivery of sand air
mixture in a substantially fluid tight connection with said
drilled hole.

8. A system for lifting and leveling a slab as in claim 7
wherein said mixing chamber is a smaller air source hose fitted
inside of a larger diameter sand outlet so as to create a venturi
effect.

9. A system for lifting and leveling a slab as in claim 8
further comprising a compressed air bleed valve between said

compressed air source and sand outlet.

10. A system for lifting and leveling a slab as in claim 9 further comprising a sand shutoff valve between said sand storage tank and said mixing chamber.

5 11. A system for lifting and leveling a slab as in claim 10 wherein said compressed air source is a high volume air compressor.

12. A method of lifting and leveling a slab said method comprising the steps of:

10 suppling a sand storage tank filled with a well dried mason's sand said storage tank having a sand outlet;

suppling a compressed air source in fluid tight connection with said sand outlet;

15 mixing said sand and said compressed air in a mixing chamber;

delivering said sand and air mixture to an injector gun via an elongate fluid tight hose said gun further having an gun nozzle;

drilling a hole in said slab to be leveled; and

20 attaching said gun nozzle to said drilled hole.

13. A method of lifting and leveling a slab as in claim 12 further comprising the step of suppling a compressed air bleed valve between said compressed air source and sand outlet.

14. A method of lifting and leveling a slab as in claim 13

1 further comprising the step of operating said compressed air bleed valve to release excess pressure.

15. A method of lifting and leveling a slab as in claim 14 further comprising the step of supplying a sand shutoff valve 5 between said sand storage tank and said mixing chamber.

16. A method of lifting and leveling a slab as in claim 15 further comprising the step of adjusting said sand shutoff valve so as to control the flow of sand to said mixing chamber.

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